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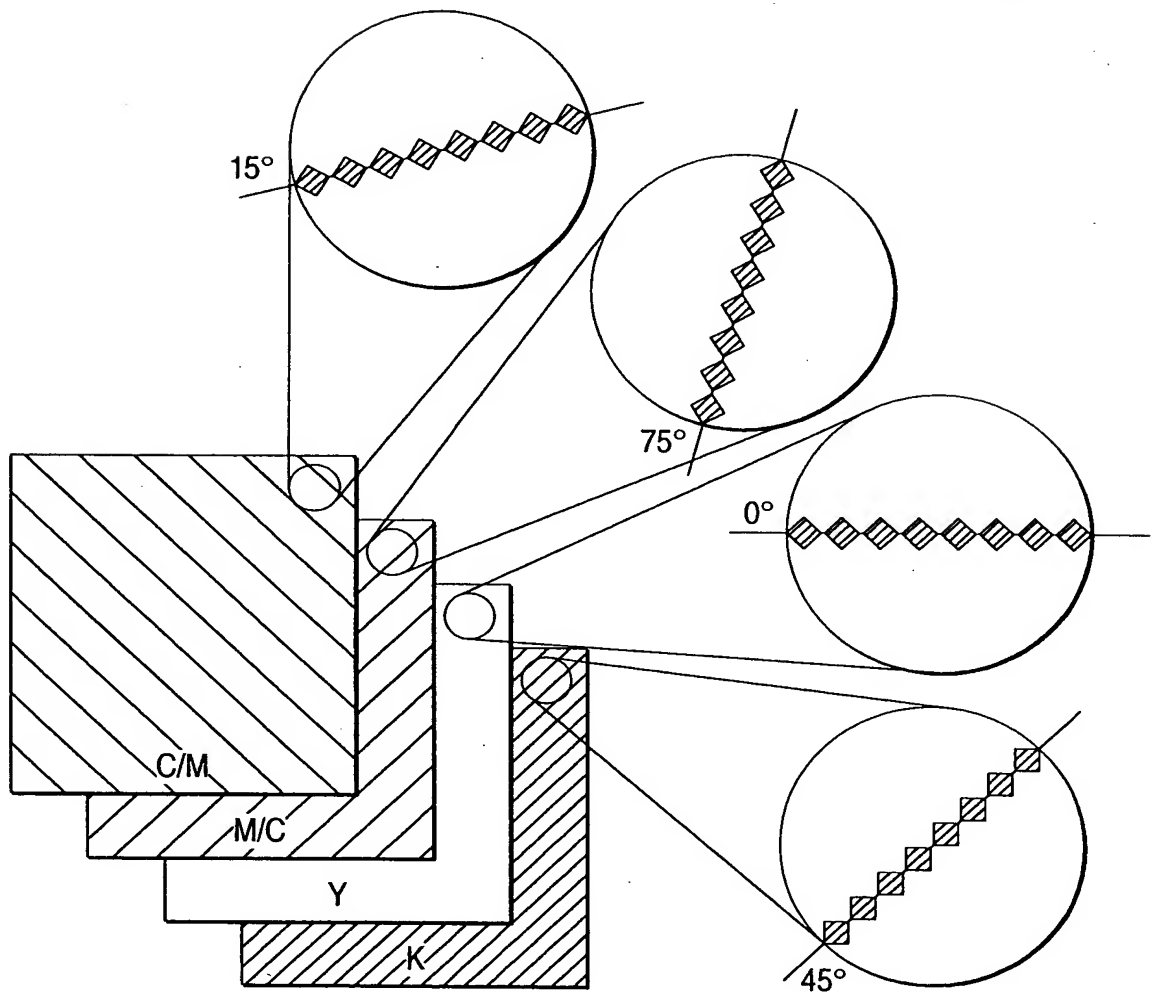
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FIG. 1

## ANGLES OF CMYK SCREENS



**FIG. 2**

## METHOD OF DEFINING SCREEN ANGLES

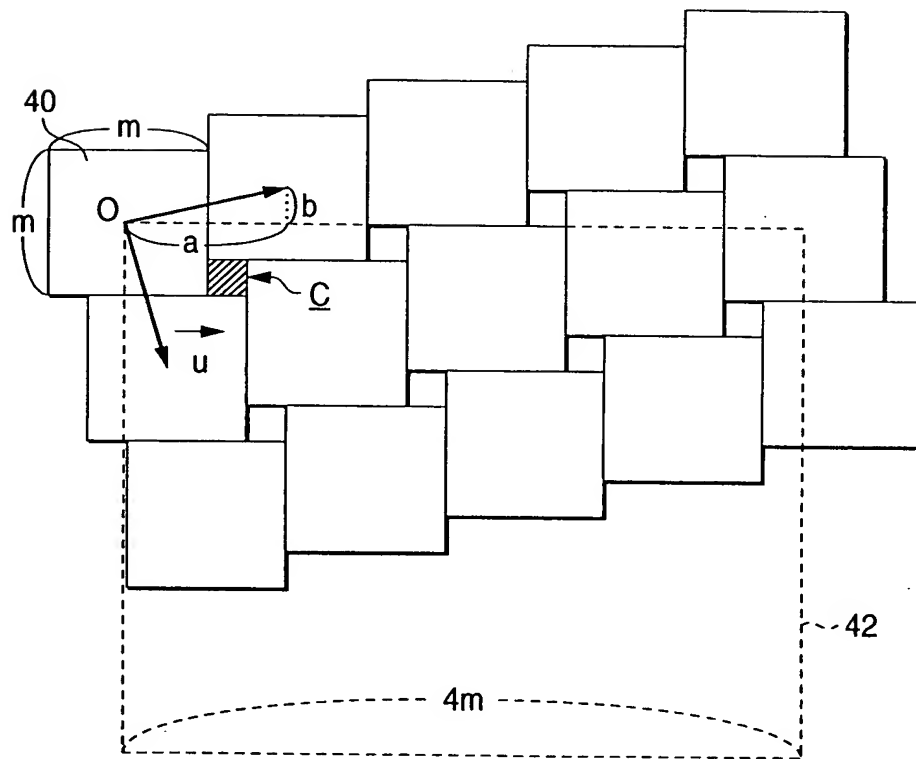


FIG. 3

EXAMPLE OF HALFTONE SPOT  
ACCORDING TO THE INVENTION

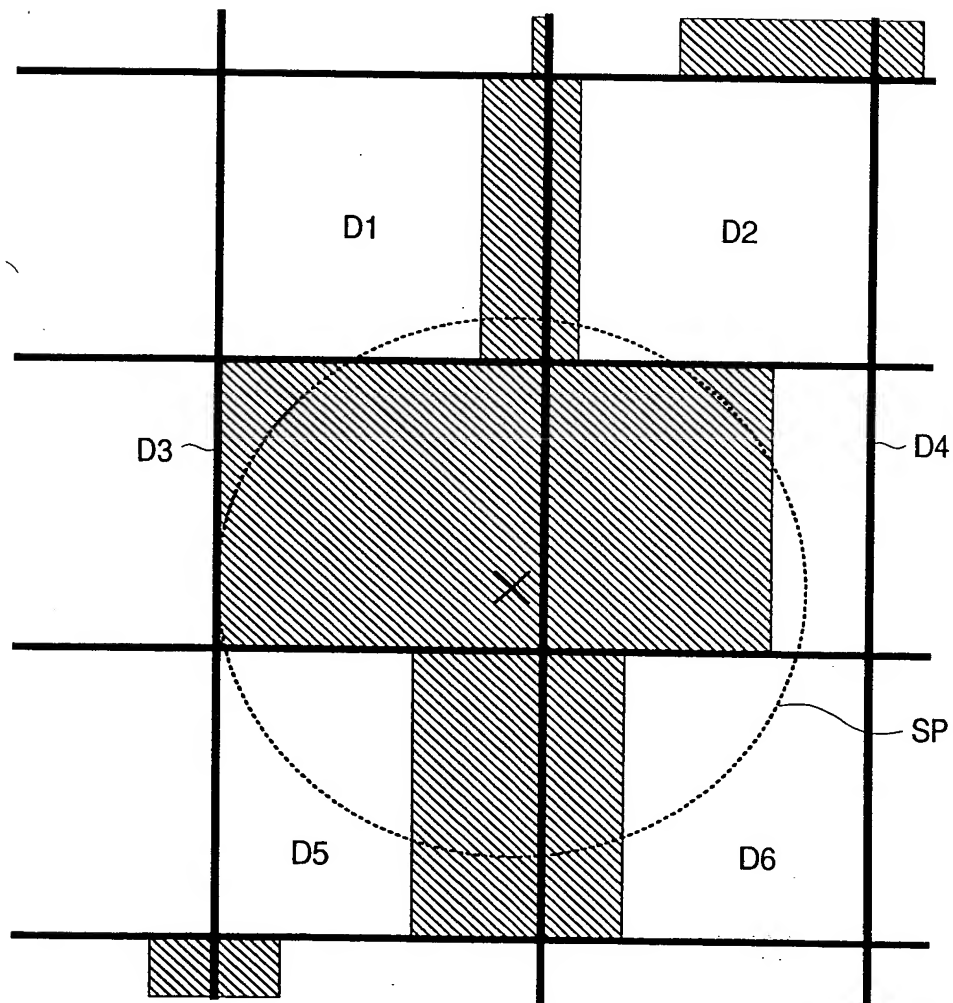
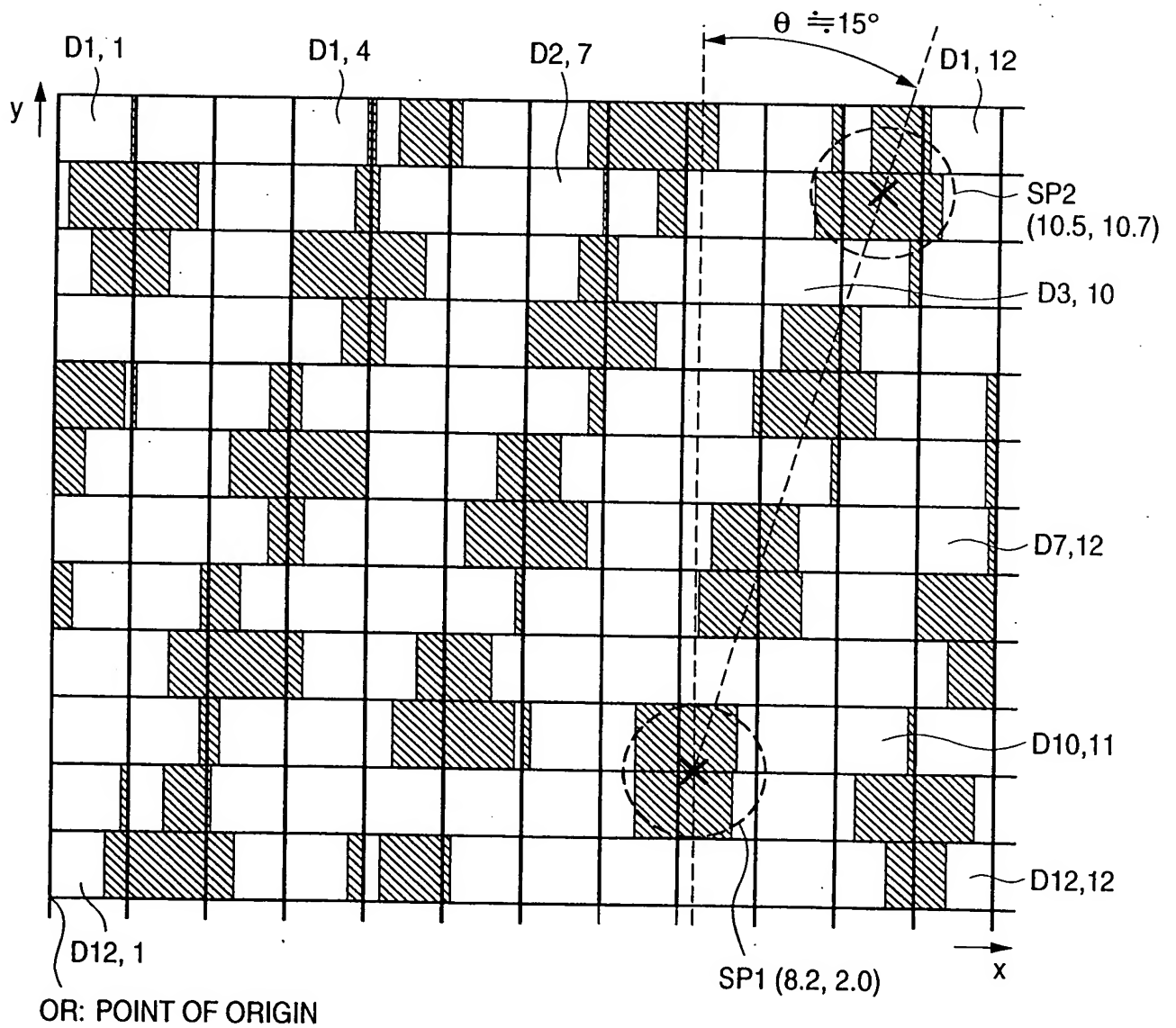


FIG. 4

EXAMPLE OF GROWN HALFTONE SPOTS  
ACCORDING TO FIRST EMBODIMENT



# CONVERSION TABLE (1)

FIG. 5 (A)

IMAGE DATA

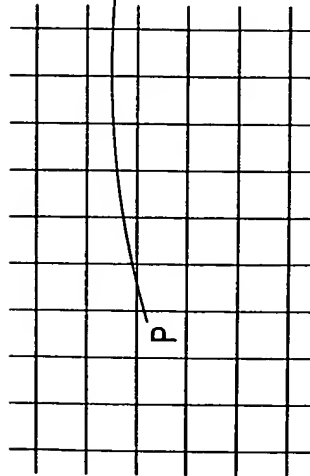


FIG. 5 (B)

PATTERN MATRIX

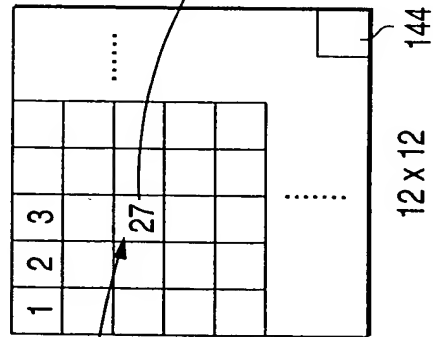


FIG. 5 (C)

$\gamma$  TABLE

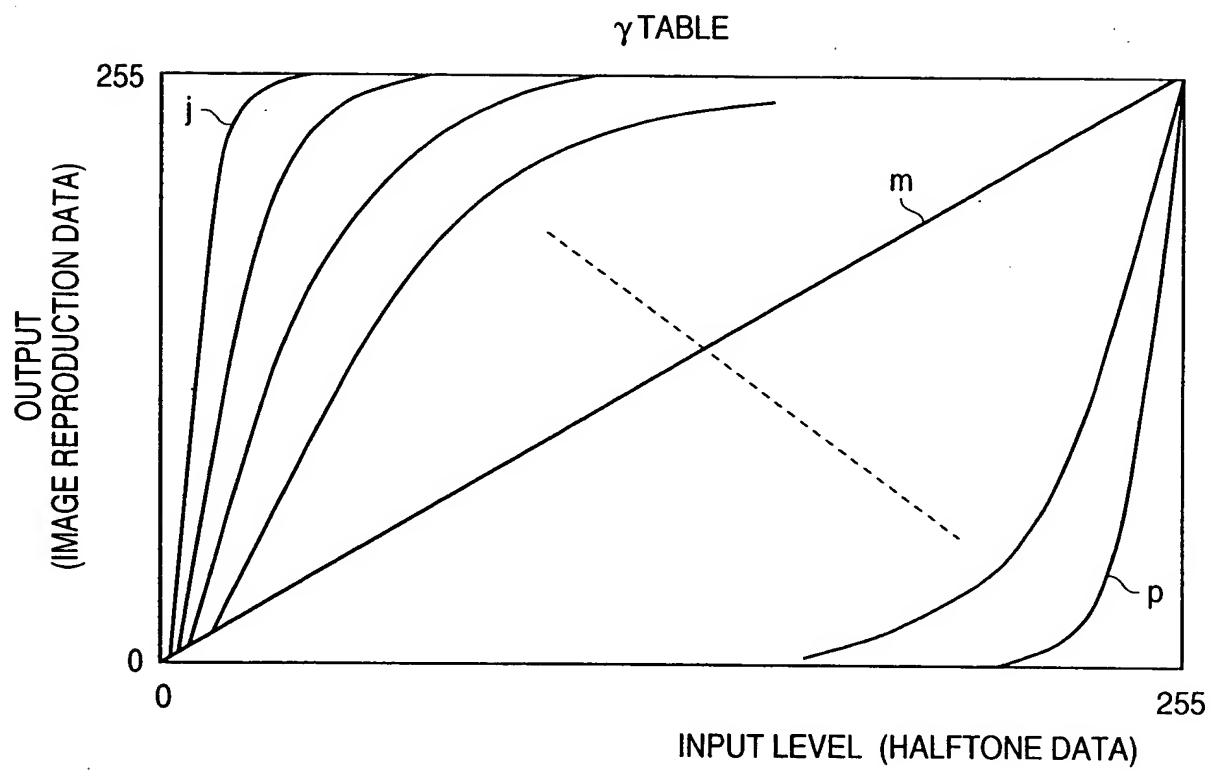
	INPUT LEVEL			
	0	1	2	.....
1	0	0	0	255
2	0	0	0	255
3	0	0	0	255
...				.....
27	0	0	0	255
...				
...				
144	0	0	0	255

*FIG. 6*

1	2	3	4	5	6	7	8	9	10	11	12
13	14	15	16	17	18	19	20	21	22	23	24
25	26	27	28	29	30	31	32	33	34	35	36
37	38	39	40	41	42	43	44	45	46	47	48
49	50	51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70	71	72
73	74	75	76	77	78	79	80	81	82	83	84
85	86	87	88	89	90	91	92	93	94	95	96
97	98	99	100	101	102	103	104	105	106	107	108
109	110	111	112	113	114	115	116	117	118	119	120
121	122	123	124	125	126	127	128	129	130	131	132
133	134	135	136	137	138	139	140	141	142	143	144

EXAMPLE OF PATTERN MATRIX  
ACCORDING TO FIRST EMBODIMENT

FIG. 7

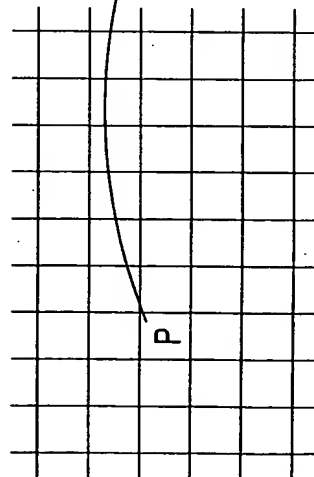




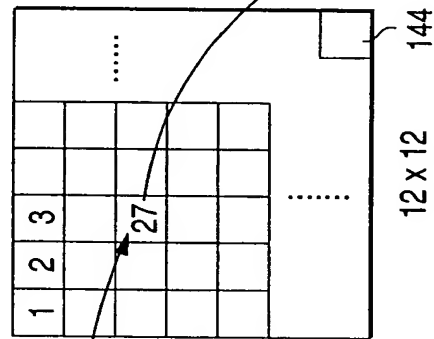
# INDEX-TYPE CONVERSION TABLE

FIG. 8 (A)      FIG. 8 (B)      FIG. 8 (D)      FIG. 8 (C)

IMAGE DATA



PATTERN MATRIX



INDEX TABLE

	INDICES OF γ TABLE
1	1
2	2
.	.
.	.
27	17
.	.
.	.
144	8

γ TABLE

	INPUT LEVEL			
INDEX	0	1	2	.....
1	0	0	0	255
2	0	0	0	255
3	0	0	0	255
4	0	70	95	255
5	0	80	96	255
.....	0	0	0	255
36				

256

FIG. 9

D1, 1			D1, 4			D2, 7			D3, 10		
1	2	3	1	4	5	6	7	8	9	4	10
11	12	13	9	14	15	1	6	13	6	7	16
4	8	17	18	12	19	20	5	15	1	14	3
14	21	15	20	16	9	18	22	17	11	16	15
23	10	9	5	3	24	6	10	9	18	8	6
8	25	11	23	10	20	8	3	26	17	21	9
27	15	6	16	28	11	12	2	11	29	3	1
16	9	8	13	15	17	10	26	11	22	17	18
25	20	30	5	6	22	13	24	31	21	26	4
32	33	5	21	4	23	14	4	12	13	1	14
33	4	14	15	17	10	3	4	22	2	11	34
6	7	8	6	35	5	24	36	27	15	20	8

D7, 12

D10, 12

D10, 11

EXAMPLE OF PATTERN MATRIX  
ACCORDING TO SECOND EMBODIMENT

FIG. 10

EXAMPLE OF GROWN HALFTONE SPOTS  
ACCORDING TO SECOND EMBODIMENT

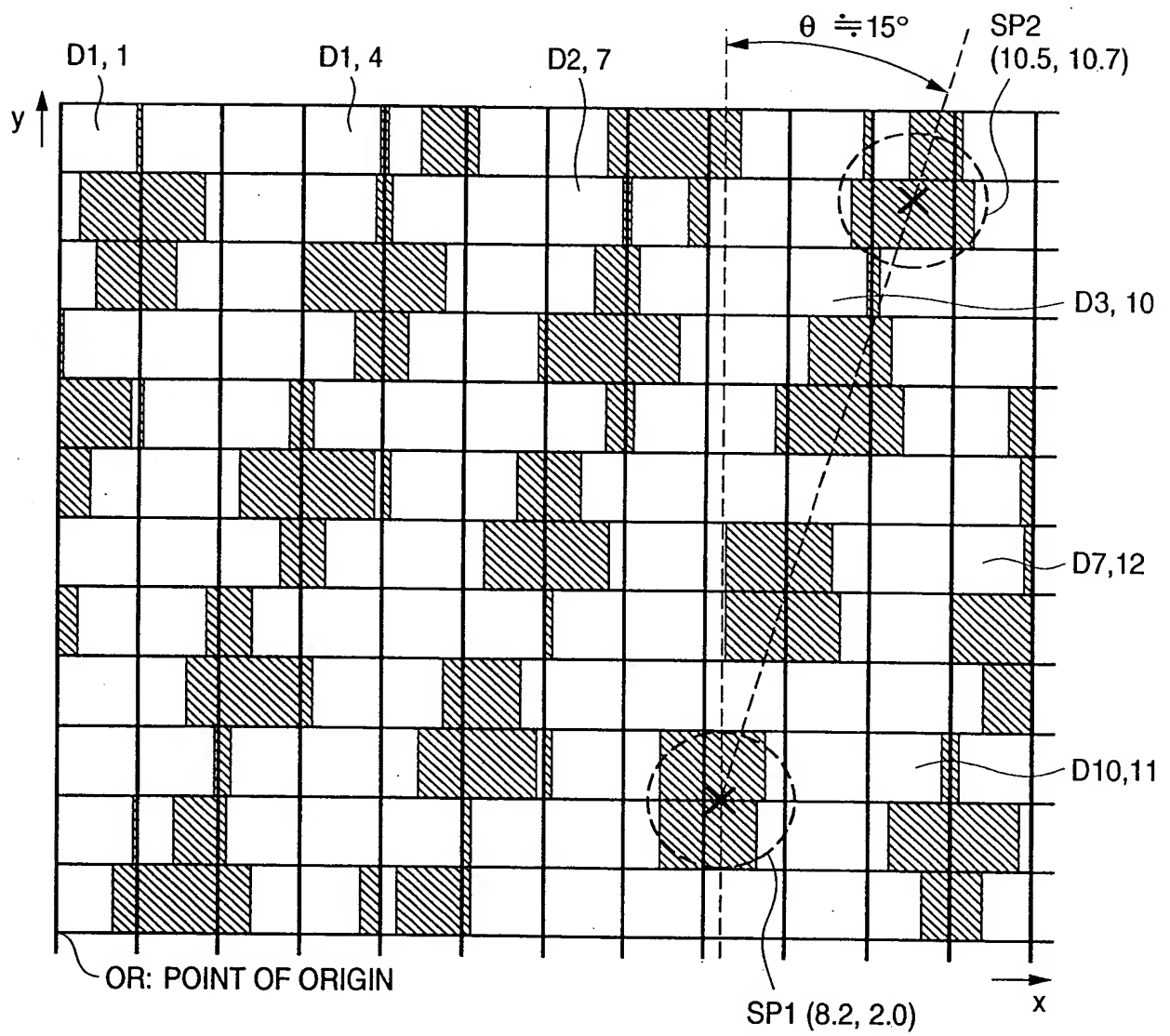


FIG. 11

ENTIRE SYSTEM CONFIGURATION

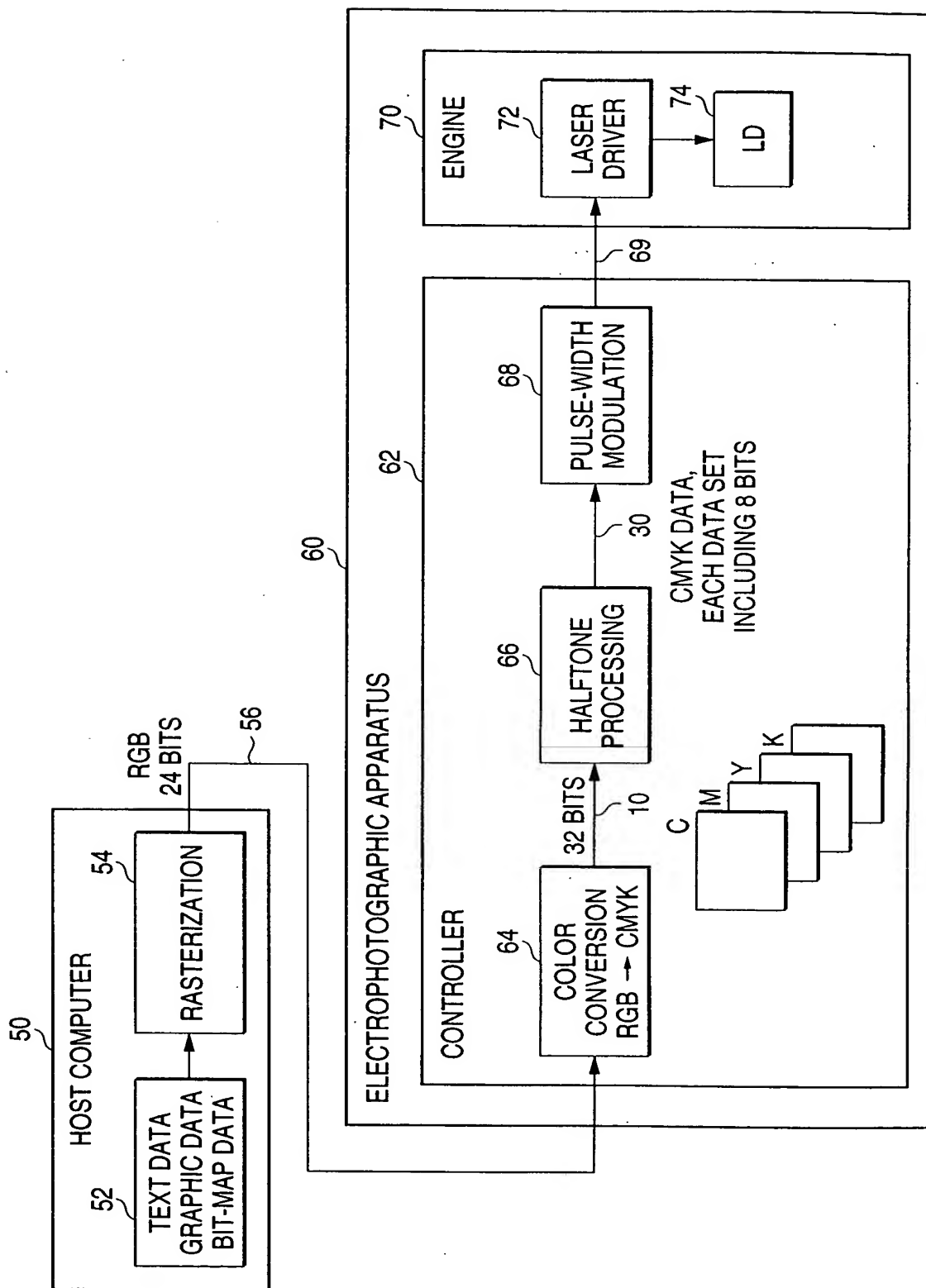


FIG. 12

## ANOTHER ENTIRE SYSTEM CONFIGURATION

